

KTI*p.s.t* Technical Service Bulletin #2006-003

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Summary

TSB Topic:	KTI<i>p.s.t</i> release of updated software (Version 1.3.1)
Description of Issue:	A new software level, Version 1.3.1, was released on December 4th, 2005. The new software is required for your KTI<i>p.s.t</i> tool to work with the vehicles listed below.
Vehicles Affected:	MY06 Ford/Lincoln/Mercury vehicles with banded sensors: <ul style="list-style-type: none">• Ford Explorer / Mercury Mountaineer / Lincoln Aviator• Ford Escape, Mazda Tribute• Ford Freestar / Mercury Monterey (excluding Limited model which has an indirect TPMS system)
Current Software Version at time of TSB release	1.3.1
TPMS Sensors Affected:	Ford Banded sensors (Lear, Siemens)
Summary:	A new software level has been released and is available to all customers who have purchased a KTI<i>p.s.t</i> tool, own a Program Interface Module (PIM) with a valid software license. Version 1.3.1 software replaced Version 1.2.9, and is required for the KTI<i>p.s.t</i> tool to work with the vehicles listed above. A new triggering protocol (Mode 5) has been released with this software update.

Body of TSB

Vehicle Coverage

Ford and Mazda released so called “banded” sensors on the following MY06 vehicles:

- Ford Explorer / Mercury Mountaineer / Lincoln Aviator
- Ford Escape, Mazda Tribute
- Ford Freestar / Mercury Monterey (excluding Limited model which has an indirect TPMS system)

Banded Sensors - Identification of a vehicle with TPMS

Often technicians will identify a TPMS-equipped vehicle by the metal valve stem. Although this method is not 100% accurate (some models use metal valve stems a design cue), it usually works. However, in this case, Ford has released a TPMS sensor which is banded to the drop center of the wheel. Accordingly, the vehicles listed above will not

have a metal valve stem, but will have a traditional black rubber valve stem. The TPMS sensors are mounted 180 degrees away from the valve stem. The *KTIp.s.t* tool must be placed on the tire in this position to trigger or diagnose the sensor.

New Triggering Mode

A new triggering mode (Mode 5) has been released with this software level. The sensors represent a new modulated wave protocol, and respond at 315 MHz response frequency. Please consult the website for an updated list of triggering protocols (www.ktipst.com → Support → Sensors → Sensor Listing). Mode 5 will be represented on the *KTIp.s.t* tool by the first and third LED's, as shown in the website's sensor listing.